

20020317.qrp v02_n497.qrl.20020317

Date: Sun, 17 Mar 2002 19:03:05 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2497

QRP-L Digest 2497

Topics covered in this issue include:

- 1) [122282] Chickens and Armadillos
by Chuck Carpenter <w5usj@9plus.net>
- 2) [122283] Re: PICs and Microcontrollers Questions
by "Ian Wilson" <ianmwilson@earthlink.net>
- 3) [122284] Trade K2 knob for Yaesu knob
by Paul Womble <pwomble1@tampabay.rr.com>
- 4) [122285] Re: where can I find?
by K5BDZ@aol.com
- 5) [122286] drive to texas
by "Rich Wilkerson" <richqrp@cox.net>
- 6) [122287] Re: PICs and Microcontrollers Questions
by "Tom Curtola" <tcurtola@rogers.com>
- 7) [122288] Re: Head copy
by "Trevor Jacobs" <fxtech@earthlink.net>
- 8) [122289] Re: drive to texas
by "Karl F. Larsen" <k5di@zianet.com>
- 9) [122290] ARKIECON 2002
by DENNIS SMITH <ne4o@swbell.net>
- 10) [122291] Re: drive to texas
by "Rich Wilkerson" <richqrp@cox.net>
- 11) [122292] Re: ARKIECON 2002
by "James R. Duffey" <jamesd1@flash.net>
- 12) [122293] Re: where can I find?
by "Rob Matherly" <kc0bom@arrl.net>
- 13) [122294] Re: drive to Texas
by "Walter AG5P" <walter@cowboy.com>
- 14) [122295] Re: drive to Texas
by "Rich Wilkerson" <richqrp@cox.net>
- 15) [122296] Re: ARKIECON 2002
by Chuck Carpenter <w5usj@9plus.net>
- 16) [122297] FOX: Gearing up for CFNO
by Richard Clem <clem.law@usa.net>
- 17) [122298] Re: PICs and Microcontrollers Questions
by David Hinerman <wd8civ@worldnet.att.net>
- 18) [122299] Re: PICs and Microcontrollers Questions
by David Hinerman <wd8civ@worldnet.att.net>
- 19) [122300] Hot DX on 20m now!

by "Brian Murrey" <brian@iquest.net>
20) [122301] CQ: JOEY ARTICLE author only
by Michael Goins <mgoins@usa.net>
21) [122302] re: ArkieCon
by <ke5tc@crosstel.net>
22) [122303] Re: where can I find?
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
23) [122304] RE: Head copy
by "P.Ermisch" <ermisch@usa.net>
24) [122305] Re: Head copy
by "J. W. (Dub) Thornton" <dub@oklahoma.net>
25) [122306] Re: CW problem
by "Gordon Cougar" <gcouger@couger.com>
26) [122307] Re: CW problem
by "Gordon Cougar" <gcouger@couger.com>
27) [122308] whips
by Schunn99@aol.com
28) [122309] Re: whips
by "Mike Yetsko" <myetsko@insydesw.com>
29) [122310] Montana --Another Myth???
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
30) [122311] ground radials
by Gary Lee <kb9zuv@arrl.net>
31) [122312] Norcal 20 Question
by "Mike Rioux" <mike@rioux.org>
32) [122313] Re: Antenna Wire
by George Gingell <k3tks@u1.abs.net>
33) [122314] Re: Montana --Another Myth???
by tailfeathers@juno.com
34) [122315] Re: Wire Antenna materials your VIEWS? (Long)
by "Adrian Weiss" <aweiss@usd.edu>
35) [122316] Re: [Re: whips]
by "P.Ermisch" <ermisch@usa.net>
36) [122317] Re: Montana --Another Myth???
by Dave Sjolin <sjolin@swbell.net>
37) [122318] Re: Montana --Another Myth???
by "K7FD N7SG" <k7fd@hotmail.com>
38) [122319] PICs and Micro controllers Questions
by "Mike, Diane and Vicky" <tignor@attglobal.net>
39) [122320] Re: Antenna Wire
by "John Paul Keon" <jpkeon@nc.rr.com>
40) [122321] Re: Head copy
by kb1dxc <kb1dxc@discovernet.net>
41) [122322] Re: whips
by "John Dorson" <jdorson@Worldshare.net>
42) [122323] Re: Wire Antenna materials your VIEWS?
by Parker Buckley <buckley@iapdatacom.net>
43) [122324] Re: Head copy

by "W2WU" <w2wurjj@verizon.net>

44) [122325] Ruh-Roh! Found (another) bug in DSWTUN95 :(
by "Bill, N4QA" <n4qa@hotmail.com>

45) [122326] Re: Head copy
by Bruce Muscolino <w6toy@erols.com>

46) [122327] Re: Head copy
by Bruce Muscolino <w6toy@erols.com>

47) [122328] Re: Montana --Another Myth???
by Roy <marion@montana.com>

48) [122329] Re: Head Copy
by Bruce Muscolino <w6toy@erols.com>

49) [122330] Re: Head copy
by Bruce Muscolino <w6toy@erols.com>

50) [122331] Re: ARKIECON 2002
by "Rex Harper" <w1rex@megalink.net>

51) [122332] The Miracle of milliwatts
by "George Osier" <gosier@twcnny.rr.com>

52) [122333] Re: drive to texas
by Bruce Muscolino <w6toy@erols.com>

53) [122334] Re: ground radials
by "James R. Duffey" <jamesd1@flash.net>

54) [122335] Re: Head copy
by Bruce Muscolino <w6toy@erols.com>

55) [122336] Re: drive to Texas
by don@azark.com

56) [122337] Re: Head copy
by Bruce Muscolino <w6toy@erols.com>

57) [122338] QRP DX Secret
by Bob Mason <skydive@usa.net>

58) [122339] Re: Head copy
by W2AGN <w2agn@pobox.com>

59) [122340] Re: ARKIECON 2002
by don@azark.com

60) [122341] Help with Tixie
by Derek <derek@ptd.net>

61) [122342] Head Copy
by "tom palmer" <n1tp@worldnet.att.net>

62) [122343] Antenna question... trap dipoles
by "Mike Yetsko" <myetsko@insydesw.com>

63) [122344] FDI-2002 "Buildathon" Reminder
by "w8diz" <w8diz@fpqrp.com>

64) [122345] FS: OHR-100A 40M with DD-1 Display.
by Bob Mason <skydive@usa.net>

65) [122346] FS: Rainbow Tuner and Custom Case
by "N3BJ" <alanfryer@msn.com>

66) [122347] Re: Head copy
by Bruce Muscolino <w6toy@erols.com>

67) [122348] RM6A FUNNY:)

by "George Osier" <gosier@twcnny.rr.com>
68) [122349] QRP+ Mic?
by ARDUJENSKI@aol.com
69) [122350] Texas
by "Rich Wilkerson" <richqrp@cox.net>
70) [122351] Re: Antenna question... trap dipoles
by "Pastor-KC1DI" <elbc@pivot.net>
71) [122352] Re: Texas
by K5BDZ@aol.com
72) [122353] Re: QRP DX Secret
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
73) [122354] Faulty DSWTUN95 logic exposed
by "Bill, N4QA" <n4qa@hotmail.com>
74) [122355] Re: Head copy
by W2AGN <w2agn@pobox.com>
75) [122356] Re: Texas
by "Bob Tellefsen" <n6wg@earthlink.net>
76) [122357] Re: Antenna question... trap dipoles
by "Bob Tellefsen" <n6wg@earthlink.net>
77) [122358] Think I Heard the Sun Burp...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
78) [122359] Re: Head copy
by "Richard Brummer, K2JQ" <k2jq@rcn.com>
79) [122360] Re: Think I Heard the Sun Burp...
by Dave Sjolin <sjolin@swbell.net>
80) [122361] etching formula
by "carl seyersdahl" <carlseye@tampabay.rr.com>
81) [122362] Re: Think I Heard the Sun Burp...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
82) [122363] head copy/mobile CW
by "P.Ermisch" <ermisch@usa.net>
83) [122364] FT: Linux software
by "Pastor-KC1DI" <elbc@pivot.net>
84) [122365] Class E amplifier experiments
by Steven Weber <kd1jv@moose.ncia.net>
85) [122366] Ducie - QRP -
by Bruce Rattray <rattray@gpfn.sk.ca>
86) [122367] K1 for trade
by "Tony Parks" <robert.parks11@gte.net>
87) [122368] Tiny Tornado Tonight
by "K7FD N7SG" <k7fd@hotmail.com>
88) [122369] FS: K2
by K1epj@aol.com
89) [122370] Care & Feeding of 300 Ohm Twin Lead
by MITCHELLRI@aol.com
90) [122371] qrp antenna tuners
by Schunn99@aol.com
91) [122372] WTB "D" size Nicads

by W0rw@aol.com
92) [122373] FW: We will never Forget!!
by "Ron Polityka" <wb3aal@fast.net>
93) [122374] Sun burps & them ol' hippie nets
by nilsbull@juno.com
94) [122375] billydean ward
by "carl seyersdahl" <carlseye@tampabay.rr.com>

Date: Sat, 16 Mar 2002 18:46:15 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [122282] Chickens and Armadillos
Message-ID: <3.0.2.32.20020316184615.006a0c78@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The definitive answer to the question -- why do chickens cross the road?

Folks who travel around Texas know this one...

A: To show the amadillos that it can be done...

Chuck Carpenter, W5USJ, Point, Rains Co, TX EM22cv, NE-TX QRP #1

Date: Sat, 16 Mar 2002 16:51:26 -0800
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122283] Re: PICs and Microcontrollers Questions
Message-ID: <002001c1cd4d\$deaadcc0\$0b02a8c0@0020115492>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Quick plug: I use the programmer from Dontronics (www.dontronics.com).
Works well, slots right
into MPASM and was a good price when I bought it. No connection, just a
satisfied user.

-- ian k3imw/6

Date: Sat, 16 Mar 2002 20:02:10 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Elecraft <elecraft@mailman.qth.net>, QRP-L <qrp-l@Lehigh.EDU>
Subject: [122284] Trade K2 knob for Yaesu knob
Message-ID: <3C93EB12.E167B05C@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've got a brand new K2 knob. I would like to trade it for a Yaesu FT100 knob.

Any takers?

Paul K4FB

Date: Sat, 16 Mar 2002 20:01:47 EST
From: K5BDZ@aol.com
To: ratttray@gpfn.sk.ca, qrp-l@lehigh.edu
Subject: [122285] Re: where can I find?
Message-ID: <16c.a685e3f.29c544fb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 03/16/2002 2:00:51 PM Central Standard Time, ratttray@gpfn.sk.ca writes:

> I'm looking for a small amount of very thin mylar or teflon to put
> underneath crystals so as to avoid the shorting problem.
Would fiberglass tape work as well?

Bill K5BDZ

Date: Sat, 16 Mar 2002 17:05:24 -0800
From: "Rich Wilkerson" <richqrp@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122286] drive to texas

Message-ID: <001101c1cd4f\$d2596930\$945a0844@CX55215A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello to the group,

Will be planning a drive trip to Texas from San Diego. I have just bought a 817 and would like to know some repeaters that would be on the way. I only have a 2m / 70 cm antenna. I guess, I -10 most of the way? I am new to the UHF & VHF so I do not know any frequencies to use. any suggestions/frequencies will be appreciated. Thanks to all.

...Rich / WD6FDD

Date: Sat, 16 Mar 2002 20:11:46 -0500
From: "Tom Curtola" <tcurtola@rogers.com>
To: <tcurtola@rogers.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122287] Re: PICs and Microcontrollers Questions
Message-ID: <003101c1cd50\$b5ea6640\$f44a9c18@bloor.phub.net.cable.rogers.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks a million fellas for the responses I got from the list and direct email. Amazing help from each and everyone of you.

So far I garnered that PICs are historically the most prevalent and cheapest, but not always the best way to go. ATMEL's AVR's seem to be the up and coming star and easier for the beginner according to many on the list and many web sites. These two brands were repeatedly mentioned and seemed to be the most widely used brands. There was a third one, Parallax's STAMP microcontroller which seems to be out there too. Lot's of advice on using assembler first if I haven't coded before. (I guess that is akin to using a straight key first before moving on to a keyer hi hi)

Some have advised against using a starter kit and others have promoted one type of starter kit or another. I have looked at all the web sites everyone mentioned (my ass is sore from sitting all day believe me). One site caught my attention <http://www.electronics123.com/amazon/> and under their PIC and ATMEL programmers link I have come across several choices.

If anyone would like to peruse their page on programmers at <http://www.electronics123.com/amazon/catalogue/c3-3-7.htm> and give your advice/opinion on their offerings I would greatly appreciate it.

Another good site recommended was <http://www.dontronics.com/>

So now you have helped me clear up some of my questions, and I think I can start to understand what I need to know, to make a better informed decision. Gads, that sounds like something a politician would say.

73/72

Tom Curtola
VA3TY
Toronto, Ontario - Canada
tcurtola@rogers.com

PS: I know some might believe this has nothing to do with QRP but I've been noticing more and more electronics using microcontrollers. Seems there is almost nothing these puppies can't do in the hands of a good programmer. (I'm hoping to be able to just get that LED to flash on and off)

Betcha in 10 years there won't be a QRP rig without one in it. Yes, I could have started this thread on a list dedicated to microcontrollers but again would they have the knowledge of QRP/HAM radio to know what would be best for me?

----- Original Message -----

From: "Tom Curtola" <tcurtola@rogers.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, March 16, 2002 9:00 AM
Subject: PICs and Microcontrollers Questions

> Dear Microcontroller Programmers,
>
> The last few years I've been noticing microcontrollers being incorporated
> into our hobby more and more. Keyers, frequency counters/synthesizers,
> etc.
> I've been wanting to learn more about these devices for a while now.
Doing
> some reading on the internet, I have found a plethora of information on
> them, but still have some very basic questions concerning their history
and
> any personal opinions on these devices. More specifically... here goes:
>
> 1) Is a "PIC" just a brand name for one of many different

> brands/manufacturers of microcontroller? I hear the name thrown around a
> lot, is it the "Kleenex" of microcontrollers, that is to say, has become a
> generic name?
>
> 2) Does each different brand or manufacturer use their own programming
> language for their specific device?
>
> 3) When starting out, is there a favorite manufacturer and/or programming
> language for beginners? I've seen that many companies offer their own
> starter kits.
>
> 4) Does the Ham community of microcontroller gurus have a favorite
> manufacturer and/or programming language? I would like to learn on the
> family of chips and/or programming language that is most prevalent in the
> Ham community.
>
> Thank you for any help you can provide.
>
> Tom Curtola
> VA3TY
> Toronto, Ontario - Canada
> tcurtola@rogers.com
>
>

Date: Sat, 16 Mar 2002 17:27:51 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <pwomble1@tampabay.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122288] Re: Head copy
Message-ID: <004e01c1cd52\$f62c5f40\$11b2b2d1@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have to agree with Paul on this one. While I'm not at at that 100% head copy place yet, it is something that I'm striving for. It would be very usefull for hiking and camping to NOT have to write everything down. I can easily get through the first exchange like that, but find that when it turns to conversation I tend to pick the pencil up again. As time goes by and I get more air time though, I find that I'm getting more confident and writing less down. The key to head copy for me, is not only practicing off the air with a PC and some cw software, but getting on the air a lot, and replying to a CQ from those stations that are just a bit faster than you normally

copy. I have found it much easier to head copy stuff at 18+ WPM than slower. I find that if I'm on and going slower, that I get lost trying to remember the letters. Once you get above a certain speed, things just seem to start clicking and it flows better. Practice Practice Practice...I've gotten to the point that I even read component data sheets at work and start thinking in CW Hi!

72/73's
Trev
KG6CYN

----- Original Message -----

From: "Paul Womble" <pwomble1@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, March 16, 2002 3:42 PM
Subject: Re: Head copy

>
>
> Bruce Muscolino wrote:
>
> > Frankly, I think "head copy" is mostly a myth! CW is sent letter by
> > letter, i.e. "A and M and D"/ It is like listening to a person spelling
> > each word in a sentence. If you send it faster it still comes out
> > letter by letter!
> >
>
> I know guys that can copy 100% of a qso in their head...while looking you
in
> the face talking!
>
> I call it lots and lots of practice...not a myth. CW is a language...not
> just a bunch of letters. I've talked with the guys that can copy like
that,
> and they all say that they hear words...not the individual letters.
>
> 73
> Paul K4FB
>
>

Date: Sat, 16 Mar 2002 18:41:17 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rich Wilkerson <richqrp@cox.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122289] Re: drive to texas
Message-ID: <Pine.LNX.4.33.0203161838370.2271-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well Rich, use I-8 into Arizona where it meets I-10. Then stay on I-10 through AZ to NM and at Las Cruces try 146.84 no pl and I might be listening. From there to El Paso TX and then to where ever your headed.

On Sat, 16 Mar 2002, Rich Wilkerson wrote:

> Hello to the group,
>
> Will be planning a drive trip to Texas from San Diego. I have just
> bought a 817 and would like to know some repeaters that would be on the way.
> I only have a 2m / 70 cm antenna. I guess, I -10 most of the way? I am
> new to the UHF & VHF so I do not know any frequencies to use. any
> suggestions/frequencies will be appreciated. Thanks to all.
>
> ...Rich / WD6FDD
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sat, 16 Mar 2002 19:56:42 -0600
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [122290] ARKIECON 2002
Message-ID: <019501c1cd57\$139894a0\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Is there anyone out there in radio land going to ARKIECON? I haven't heard of anyone in ARK going yet. But don't fret none cause i will be there.
DENNIS W5VAF JONESBORO, AR.

Date: Sat, 16 Mar 2002 18:14:09 -0800
From: "Rich Wilkerson" <richqrp@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<k5di@zianet.com>
Subject: [122291] Re: drive to texas
Message-ID: <001301c1cd59\$6d2e2a50\$945a0844@CX55215A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

hey thanks Karl,
will be going to the other end of Texas, Montgomery. but I will give
that one a listen. and I guess the offsets are automatic on the radio.

Thanks, Rich

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, March 16, 2002 5:41 PM
Subject: Re: drive to texas

>
> Well Rich, use I-8 into Arizona where it meets I-10. Then stay on I-10
> through AZ to NM and at Las Cruces try 146.84 no pl and I might be
> listening. From there to El Paso TX and then to where ever your headed.

Date: Sat, 16 Mar 2002 19:27:02 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [122292] Re: ARKIECON 2002
Message-ID: <B8B94D05.1305D%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Dennis - I will be there. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sat, 16 Mar 2002 20:35:06 +0000
From: "Rob Matherly" <kc0bom@arrl.net>
To: qrp-1@lehigh.edu
Subject: [122293] Re: where can I find?
Message-ID: <200203170235.UAA29532@mail.iowasocean.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

On Sat, 16 Mar 2002 16:15:32 -0500, Ed Tanton wrote:

> Hi Mike... I expect that Bruce is talking about the metal case of the
> crystal shorting pc board runs underneath it.

That can happen??? Maybe that's why my Tuna Tin doesn't work :^)

72/73/oo

Rob, kc0bom

ARRL, fpqrp #330, IA Qrp #143, Live Wire #442, SOC #497, QRPp-I #19

Visit my websites!

<http://www.qsl.net/kc0bom> - personal page

<http://www.qsl.net/kc0bom/caarc> - local club's page

<http://www.qsl.net/kc0bom/mst3k> - my MST3K episodes list

<http://www.qsl.net/kc0bom/otr> - my old-time radio page

-- Arachne V1.70;rev.3, NON-COMMERCIAL copy, <http://arachne.cz/>

Date: Sat, 16 Mar 2002 19:44:07 -0700
From: "Walter AG5P" <walter@cowboy.com>
To: <qrp-1@Lehigh.EDU>
Subject: [122294] Re: drive to Texas
Message-ID: <200203161944.AA2003501356@mail.cowboy.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

This is the URL that I use when taking a trip,
it allows you to pick what States you are going
to be in and list the repeaters.

<http://www.geocities.com/Heartland/1206/main.htm>

Have a fun trip!

72/73 Walter, AG5P

Date: Sat, 16 Mar 2002 18:48:59 -0800
From: "Rich Wilkerson" <richqrp@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<walter@cowboy.com>
Subject: [122295] Re: drive to Texas
Message-ID: <001d01c1cd5e\$4a86c250\$945a0844@CX55215A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thank you Walter,

This site will work! I knew , if I needed help, This is the list that would know. you guys/gals are great.

...Rich

----- Original Message -----

From: "Walter AG5P" <walter@cowboy.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, March 16, 2002 6:44 PM
Subject: Re: drive to Texas

> This is the URL that I use when taking a trip,
> it allows you to pick what States you are going
> to be in and list the repeaters.
>
> <http://www.geocities.com/Heartland/1206/main.htm>
>
> Have a fun trip!
>
> 72/73 Walter, AG5P
>
>
>
>

Date: Sat, 16 Mar 2002 20:56:44 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: ne4o@swbell.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122296] Re: ARKIECON 2002
Message-ID: <3.0.2.32.20020316205644.006b3a9c@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dennis,

Bunch of folks from the NETXQRP club are going to be there. Wouldn't miss it.

Chuck Carpenter, W5USJ, Point, Rains Co, TX EM22cv, NE-TX QRP #1

Date: Sat, 16 Mar 2002 21:20:42 -0600
From: Richard Clem <clem.law@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [122297] FOX: Gearing up for CFNO
Message-ID: <20020317032042.9290.qmail@uwdvg002.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

As we get ready for Tuesday's Cub Fox Night Out, you'll want to check out=
this
news item:

[http://story.news.yahoo.com/news?tmpl=3Dstory&u=3D/ap/20020316/ap_on_re_e=
u/britain_fox_hunting_13](http://story.news.yahoo.com/news?tmpl=3Dstory&u=3D/ap/20020316/ap_on_re_e=u/britain_fox_hunting_13)

Some quotable quotes:

"Once the hounds speak you get the tingle in your neck and you know there=
will
some action," =

"The disruption they cause is horrendous," =

"They go through people's gardens, through graveyards, and treat the main=

road
as their footpath. People's cats have been eaten alive, hounds are often
electrocuted on railway lines," he said.

"The distress and the trauma of the chase for the fox is terrible," =

I'll do my best to cope with the distress and the trauma. Just watch out=
for
that third rail all you hounds!!

73,
Rick W0IS

Date: Sat, 16 Mar 2002 22:35:51 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [122298] Re: PICs and Microcontrollers Questions
Message-ID: <3.0.6.32.20020316223551.0079b160@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:11 PM 3/16/02 -0500, you wrote:

>PS: I know some might believe this has nothing to do with QRP but I've been
>noticing more and more electronics using microcontrollers. Seems there is
>almost nothing these puppies can't do in the hands of a good programmer.

Tom,

Well, there is -one- thing they can't do: they can't make the internally
generated noise in a receiver lower. That's a chronic problem with using
micros in sensitive analog gear.

>(I'm hoping to be able to just get that LED to flash on and off)

That's always a big day at work - when we get a "heartbeat." My hardware
engineers know better than to bring me a prototype without at least an LED
that I can blink with code.

>Betcha in 10 years there won't be a QRP rig without one in it.

Oh, it's much worse than you think - all these little TiCK keyer chips that
people are putting into Pixies, SMK-1s, and other basic rigs are actually
PICs with some finely crafted code burned into them. In 10 years, the only

rigs that won't have them will be the "mint" HW-7s being sold to collectors on eBay.

Computers are tools, just like soldering irons or transistors. Your choice of tools depends on what you're trying to accomplish, your comfort level with existing tools, and the desire to learn to use new tools. (In my case, cost factors in too.) Try to not let religious zealots coerce you into using their object of worship (PIC, BASIC, C, whatever) if you're not convinced it's a suitable tool. On the other hand, don't get caught up in "analysis paralysis," the inability to choose one tool over another because they both look like they'd do the job. When choosing among tools, it's usually easy to rule out the obviously wrong candidates. Anything left after that is good enough, so flip a coin and move on.

As I have to remind my boss sometimes: "There's more than one way to code a cat."

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Sat, 16 Mar 2002 22:15:30 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [122299] Re: PICs and Microcontrollers Questions
Message-ID: <3.0.6.32.20020316221530.007a41a0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:40 PM 3/16/02 -0500, you wrote:

>As for learning how to program, if you are a complete novice, I'd go right
>to learning the assembly code. Before you start, you need to have a clear
>conception of what it is you want to do. A good first program to try is a
>simple keyer, as it's a well defined task, and makes you learn how to use
>many of the fundamental functions of the cpu.

Steve,

A good point - while I recommended learning C earlier, the fact is most Ham applications for microcontrollers are just that - control applications. (A keyer, DDS controller, etc.) Anything else that requires massive data processing gets done on a PC.

When controlling hardware, some assembly language is almost always mandatory. In many cases it takes more "dirty tricks" to get C to interface with hardware than it does to just write the program in assembly. (Some people would claim that writing the whole program in assembly is just one big dirty trick, but I say if it's the right tool for the job, use it.)

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Sat, 16 Mar 2002 22:52:06 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Pigs" <fpqrp-1@mpna.com>, "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [122300] Hot DX on 20m now!
Message-ID: <001f01c1cd67\$1bf34d60\$5b352bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just worked EEA7AQL and LZ2LP near 14060 a littel bit ago. My first DX of the new year (I'm a lamer, what can I say).

Anyway...I heard about 6 other DX stations out there, I don't think it's a contest...maybe a weird band opening.

73

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Sat, 16 Mar 2002 22:54:14 -0500
From: Michael Goins <mgoins@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [122301] CQ: JOEY ARTICLE author only
Message-ID: <20020317035414.2180.qmail@uwdvg023.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Contact me please. Thanks for the bandwidth.

mike
wb5yjx

wb5yjx
1 watt all the time

Date: Sat, 16 Mar 2002 22:00:05 -0600
From: <ke5tc@crosstel.net>
To: "Low power Amateur Radio" <qrp-1@Lehigh.EDU>
Subject: [122302] re: ArkieCon
Message-ID: <001c01c1cd68\$39744aa0\$866a96d8@computer1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dennis:

There will be a few border Okies at ArkieCon. Hope to see you there.
72 Royce ke5tc

Date: Sat, 16 Mar 2002 19:35:53 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: ratttray@gpfn.sk.ca
Cc: qrp-1@lehigh.edu
Subject: [122303] Re: where can I find?
Message-ID: <5.1.0.14.1.20020316193440.00a34820@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:00 PM 3/16/02 -0600, you wrote:

>I'm looking for a small amount of very thin mylar or teflon to put
>underneath crystals so as to avoid the shorting problem...having a heck of
>a time trying to find some locally...maybe I'm not asking the right
>people...any ideas from anyone please?...thank you...

>

>..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Bruce,

Go to a drafting supply house and ask for some mylar drafting film.
I use it all the time for that purpose.

72,

Jim, K8IQY

Date: Sat, 16 Mar 2002 21:13:46 -0700
From: "P.Ermisch" <ermisch@usa.net>
To: <qrp-l@Lehigh.EDU>
Subject: [122304] RE: Head copy
Message-ID: <20020317041346.1440.qmail@cmsweb26.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

As I said in the other thread, copying while driving is great practice. =

I was amazed when I actually completed some mobile CW QSO's - yes, while driving. Only on my daily 50-minute commute between Denver and Colorado Springs with favorable traffic. I was amazed that I was able to not only= copy but also send! =

Paul KB0LUR

Date: Sat, 16 Mar 2002 22:11:30 -0600
From: "J. W. (Dub) Thornton" <dub@oklahoma.net>
To: qrp-1@lehigh.edu
Subject: [122305] Re: Head copy
Message-ID: <5.1.0.14.2.20020316214452.02566da0@mail.oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:48 PM 3/16/2002 -0500, Bruce wrote:

>Frankly, I think "head copy" is mostly a myth! CW is sent letter by
>letter, i.e. "A and M and D"/ It is like listening to a person spelling
>each word in a sentence. If you send it faster it still comes out
>letter by letter!

>

>Yes, you can copy some parts of a QSO in your head. Certain symbols act
>as attention cues. Symbols like QTH, RST, and NAME. And you can copy
>the following information in your head, but if you stop to write it in
>your log, you will likely forget it before you get through!

Head copy a myth??? Hardly! Most of the high-speed ops I know copy strictly in their head, except for info you wish to permanently record. At 50 WPM +, writing more than necessary info simply is not feasible. Hard copy, above about 30 WPM is a "Mill" or computer proposition, and does take considerable practice to become proficient. Copying behind is also mandatory, at least for me.

What seems like a myth to me, is "word copy". While I do hear a few of the shorter, very commonly used words, as complete words, I can't imagine anybody copying more than a very small percentage of the words in the English language by the word. By the syllable, maybe, but mine comes by the letter. I do "head copy" at 50 WPM plus, very comfortably, by the letter.

-

J. W. (Dub) Thornton WA5YFY
Minco, OK.

Date: Sat, 16 Mar 2002 22:15:19 -0600
From: "Gordon Couger" <gcouger@couger.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122306] Re: CW problem
Message-ID: <00e901c1cd6b\$552f4300\$ab2dccd0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I seldom here or send A N D but E S instead.

Gordon W5RED

From: "George, W5YR" <w5yr@att.net>

: Henry, I would try listening to a higher code speed where AND will lose
the
: sound of individual letters A N D and start sounding like a single
: sound event which you will quickly pick up as AND.
:
: I suspect that the most defeating mistake that folks make learning the
code
: is scaring themselves away from listening to code going fast enough to
: really "talk." A friend and I were talking the other night while listening
: to a 5-wpm QSO and we both were having trouble reading the QSO without
: writing down the characters for the same reason as you gave: we couldn't
: remember the characters long enough to piece together the words. Of
course,
: both of us being over 70 might have had something to do with it! <:}
:
: Good luck, my friend - you will get there!
:
: 73/72/oo, George W5YR - the Yellow Rose of Texas
: Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
: Amateur Radio W5YR, in the 56th year and it just keeps getting better!
: QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
: Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
:
: All outgoing email virus-checked by Norton Anti-Virus 2002
:
:
: wa0goz@arrl.net wrote:
: >
: > I'm trying to learn to head copy CW. I can copy with pencil at about 15
: > wpm now. My problem with head copy is that I don't hear the words, I
: > hear the "melody". That is, if I hear dit dah dah dit dah dit dit,
: > I don't hear A-N-D, or AND, I hear dit dah dah dit dah dit dit. I can
: > go along with a whole tape and "sing" right along with the sounds. I
: > really have to concentrate to hear the letters, but since I'm apparently
: > doing some translation process, by the time the third letter gets to me,
: > I've forgotten the first one or two. This has been driving me crazy for
: > a year or so. I know that until I can start hearing words, I'll never
: > be able to head copy fast.
: >
: > I've corresponded with a number of hams, including Bill Pierpoint (who
: > wrote a great book on CW), about this problem, and the only solution
: > anyone has is for me to stop trying so hard and relax and just let it

: > come. If I do that, I can really get into the "music" of the tones.
: >
: > Anyone have any experience with this type of problem or any suggestions
: > as to how to overcome it? All help is appreciated.
:

Date: Sat, 16 Mar 2002 22:15:22 -0600
From: "Gordon Couger" <gcouger@couger.com>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122307] Re: CW problem
Message-ID: <00ea01c1cd6b\$561472e0\$ab2dccd0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, March 15, 2002 11:36 PM
Subject: Re: CW problem

: Henry, I would try listening to a higher code speed where AND will lose
the
: sound of individual letters A N D and start sounding like a single
: sound event which you will quickly pick up as AND.
:
: I suspect that the most defeating mistake that folks make learning the
code
: is scaring themselves away from listening to code going fast enough to
: really "talk." A friend and I were talking the other night while listening
: to a 5-wpm QSO and we both were having trouble reading the QSO without
: writing down the characters for the same reason as you gave: we couldn't
: remember the characters long enough to piece together the words. Of
course,
: both of us being over 70 might have had something to do with it! <:}
:
: Good luck, my friend - you will get there!
:
: 73/72/oo, George W5YR - the Yellow Rose of Texas
: Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
: Amateur Radio W5YR, in the 56th year and it just keeps getting better!

: QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
: Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
:
: All outgoing email virus-checked by Norton Anti-Virus 2002
:
:
: wa0goz@arrl.net wrote:
: >
: > I'm trying to learn to head copy CW. I can copy with pencil at about 15
: > wpm now. My problem with head copy is that I don't hear the words, I
: > hear the "melody". That is, if I hear dit dah dah dit dah dit dit,
: > I don't hear A-N-D, or AND, I hear dit dah dah dit dah dit dit. I can
: > go along with a whole tape and "sing" right along with the sounds. I
: > really have to concentrate to hear the letters, but since I'm apparently
: > doing some translation process, by the time the third letter gets to me,
: > I've forgotten the first one or two. This has been driving me crazy for
: > a year or so. I know that until I can start hearing words, I'll never
: > be able to head copy fast.
: >
: > I've corresponded with a number of hams, including Bill Pierpoint (who
: > wrote a great book on CW), about this problem, and the only solution
: > anyone has is for me to stop trying so hard and relax and just let it
: > come. If I do that, I can really get into the "music" of the tones.
: >
: > Anyone have any experience with this type of problem or any suggestions
: > as to how to overcome it? All help is appreciated.
:

Date: Sat, 16 Mar 2002 23:24:11 EST
From: Schunn99@aol.com
To: qrp-l@lehigh.edu
Subject: [122308] whips
Message-ID: <32.23d16913.29c5746b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

hi guys
what is longest whips that are made? I know there are 50" whips but are there
any longer than that?
Scott Hunnicutt
Kg4oqu

Date: Sat, 16 Mar 2002 23:40:59 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <Schunn99@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122309] Re: whips
Message-ID: <004501c1cd6d\$f7e083a0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Depends...

If you mean the 1/8" or whatever is used with a lot of 'base coils' with a small spring, then I think 60" is about top. The longest that might be easily obtainable would probably be either the RS Deluxe CB Mag Mount antenna replacement whip or the K40 replacement whip. I'd have to check, but I think these are about 54".

If you mean a 'whip' generically, you can still get 102" whips with a stud base for 3/8-24 mounting. And I believe Hustler or maybe someone else makes a 3-8-24 'extension' to add about 4 feet onto that. These are somewhat larger than 1/4" diameter at the base end. I've seen these used to make incredible things, including one that was cut into a J-Pole where a bar is 'sweated' over the taper.

Mike

----- Original Message -----
From: <Schunn99@aol.com>

> hi guys
> what is longest whips that are made? I know there are 50" whips but are there
> any longer than that?
> Scott Hunnicutt
> Kg4oqu
>

Date: Sat, 16 Mar 2002 22:55:31 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122310] Montana --Another Myth???
Message-ID: <200203170455.AA00737@bolshoi.cc.misu.nodak.edu>

Content-Type: text/plain

Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Well, I see by my contest calendar that the MT QSO party supposedly started about 5 hours ago. Gee, I need MT for WAS, so let's go tune around on 40m and see if I can find me a couple...

HAH! Been tuning around for over an hour, never heard one. Calendar says there are 56 counties in Big Sky country, and living as I do more or less next door to the place, one would *think* there'd be some activity out of those boys. I mean, it's their contest, after all. You'd think you'd hear at least *one* station out there pounding the brass *somewhere* between 7.000-7.070... Looking at the map, one would *think* propagation wouldn't be a problem, and I've heard a few CO boys tonight... Conclusion? Ain't no hams in MT, either. :-)

72/73,

Todd, AG0T

Date: Sat, 16 Mar 2002 23:57:39 +0000

From: Gary Lee <kb9zuv@arrl.net>

To: qrp-l@lehigh.edu

Subject: [122311] ground radials

Message-ID: <3.0.6.32.20020316235739.007cf320@mailhost.ind.ameritech.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Thinking of improving the ground on my longwire. It is currently set up with the shield of an so239 connected to the tower itself and the center to the 90 foot sloping wire.

At the base of the tower is a piece of #10 stranded about 8 inches to a foot long connected to an 8 foot coper clad ground rod driven in with only about 6 inches above ground.

Am thinking about adding several radials to this mess. Can't go in all directions because of the wall of the house.

Have two choices for radial material.

1. #16 galvanized electric fence wire. Got a couple hundred feet of this lying around.

2. Just got a thousand feet of 5 conductor rotor wire. THought of peeling this apart and using some of it.

questions:

Is the effort worth it?

Which wire is better, or does it make that much difference?

Gary Lee
kb9zuv

Date: Sun, 17 Mar 2002 05:13:15 -0000
From: "Mike Rioux" <mike@rioux.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122312] Norcal 20 Question
Message-ID: <ODELIIACNFAHFGDIJNOKOEODDHAA.mike@rioux.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know it is hard to believe, but I finally got around to building my Norcal 20!

Took a detour with the K2 and some other projects.

Everything went fine, 10 turn pot, every check went well, rig puts out 5W after

I tuned it down. Made a QSO with it.

Now to do the mods. First mod was to fix the AGC. I used the W1HUE mods and the

AGC went from bad to great! Only one small detail, now I get this tone as soon

as I either go into 'tune' mode from the Tick or tap the paddles (I know the schematic shows both going into the Tick so it's the same thing or place.) I checked my mods, values, etc. and everything looks good. (I know, famous last

words :). The only thing that makes the tone go away is removing power. Rig receives fine, even better with the AGC mod, but now I can't transmit or tune up without this tone coming back to me. Anyone see this before? (I know the Norcal 20 is ancient history....)

Thanks, Mike W1USN

Date: Sun, 17 Mar 2002 00:55:29 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-1@Lehigh.EDU>

Subject: [122313] Re: Antenna Wire
Message-ID: <20020317002728.K15901-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have found this thread quite interesting. I have had numerous Wire Antennas over the past 40 years. A local friend once noted that my back yard was a "Spider Web" of Wires. :^} I think I had 13 different sets of wires up in my oak trees back then.

At the moment there is only One Loop left up and it is in need of repairs.

We experienced a bad lightning hit to my neighbors tree last year which "Vaporized" some of the "Sky Wires".

I have used all sorts of wire over the years, but rarely purchased New.

One of the most durable and lasting was made from #16 Gauge Solid Copper Tinned (Buss Type wire) wire Called "Lashing Wire" it was used by the Telephone Cable Department and Readily available to Repairman.

Like any Solid Soft Drawn Copper Wire, care must be taken not to "NICK IT"

Also it would Stretch a bit on low bands. But that was never a real problem. I used a tuner with the 80 meter loop anyway. I floated the wire in Large Ceramic Insulators (QRO) and made sure that the Feeder was well supported by its own daycron rope.

I am just thinking, I believe that I still have the 20 Meter Dipole that I brought with me from the old house over 20 years ago. It is still servicable. What more can you ask of FREE Wire?

My last 80 Meter Loop was a combination of several types of wire. Including some old Radio Shack Stranded and some Standard #14 Stranded House wiring. (Insulated). The Lightening took care of large portion of that one. Still I got several good years out of it.

The only one which I have noticed a lot of corrosion and busted strands, is the "Silky 16" which was the 40 Meter vertical loop. (W1FB Design). Still, 5 to 10 years is not bad for the money.

I might add that I ues 3/16 DAYcron Ropes on ALL of my Antennas. They seem to hold up well in the UV and WX conditions, plus they have Give/Stretch which helps take stress off of the wires as the Trees Move with the Wind.

I believe that an antenna should last as long as you like it, but none will last forever. If a particular one works well for your location, just make a new one every two or three years. Don't Worry about Corrosion, etc.

In fact, It is not a bad Idea to have one or two SPARE Antennas ready to Go for an EMERGENCY.

Make an Extra 80 or 40 meter Dipole, and put it in a Zip lock Bag for that Future Emergency. Don't forget two Daycron Ropes and Two Soda Bottles (Plastic) filled with Sand/water to put it in the trees. Just toss the Bottle up into the branches and connect the coax.

We had a Toronado hit down the street in Beltsville, Maryland this year.

Unfortunately, the Emergency Antenna would hve not been much help. The Trees are now Gone. (Add 2/3 Black Widow Fishing Poles to the Emergency Kit)

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
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"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Sat, 16 Mar 2002 22:37:25 -0700
From: tailfeathers@juno.com
To: enders@bolshoi.cc.misu.nodak.edu
Cc: qrp-l@Lehigh.EDU
Subject: [122314] Re: Montana --Another Myth???
Message-ID: <20020316.223726.-1847901.0.tailfeathers@juno.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oh man you don't know how bad I would like to accommodate you. I have lived here for 7 months but haven't been able to get on the air yet. It's a long story but hopefully in a few weeks I will have a tower up and get back on the air. Now if I will be able to even operate a paddle, remember what CW is, find half my gear, etc, etc. I am going to my first county ham meeting this monday night so I will light a fire under some of those guys. I just met a guy the other day. He says he runs 80 or 90% cw but not necessarily qrp. I'll see what I can do...

Gary
n8gsj/7

On Sat, 16 Mar 2002 22:55:31 -0600 Todd Enders
<enders@bolshoi.cc.misu.nodak.edu> writes:

>
> Well, I see by my contest calendar that the MT QSO party
> supposedly started about 5 hours ago. Gee, I need MT for WAS,
> so let's go tune around on 40m and see if I can find me a couple...
>
> HAH! Been tuning around for over an hour, never heard one.
> Calendar says there are 56 counties in Big Sky country, and living
> as I do more or less next door to the place, one would *think*
> there'd
> be some activity out of those boys. I mean, it's their contest,
> after all.
> You'd think you'd hear at least *one* station out there pounding
> the
> brass *somewhere* between 7.000-7.070... Looking at the map, one
> would *think* propagation wouldn't be a problem, and I've heard a
> few C0 boys tonight... Conclusion? Ain't no hams in MT, either.
> :-)
>
> 72/73,
>
> Todd, AG0T
>
>

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Date: Sun, 17 Mar 2002 00:38:07 -0600
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [122315] Re: Wire Antenna materials your VIEWS? (Long)
Message-ID: <WVRL0I3W42BACALFQP97XR2167NJZW.3c9439cf@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi all:

Interesting thread. Here's why I don't like copperweld.

I admit that it's strong -- like a 1900ft run will stay up for years.

But, I had a 1300ft run which ran thru a tree 300ft out, and then on to the tree at the other end. Now, here's the problem. The 300ft section took a direct lightning hit. It vaporized. No complaints about that though -- it sort of has to be expected. But, the remaining wire which was not vaporized ended up all crackled and messed up and, in fact, when you went to pick it up, it just crumbled into shreds. The stuff just ain't as strong as it's made out to be.

72, Ade W0RSP :)

Date: Sun, 17 Mar 2002 00:00:19 -0700
From: "P.Ermisch" <ermisch@usa.net>
To: <qrp-1@Lehigh.EDU>
Subject: [122316] Re: [Re: whips]
Message-ID: <20020317070019.18287.qmail@uwdvg023.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Radio Shack# 21-903

Should be able to pick it up at your local store - they usually store them in the back.

"Mike Yetsko" <myetsko@insydesw.com> wrote:
=2E..

> If you mean a 'whip' generically, you can still get 102" whips with a s=
tud
> base for 3/8-24 mounting. =

=2E..

Date: Sun, 17 Mar 2002 01:30:51 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: enders@bolshoi.cc.misu.nodak.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122317] Re: Montana --Another Myth???
Message-ID: <3C94462B.8DBC7B37@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Todd Enders wrote:

> You'd think you'd hear at least *one* station out there pounding the
> brass *somewhere* between 7.000-7.070... Looking at the map, one
> would *think* propagation wouldn't be a problem, and I've heard a
> few C0 boys tonight... Conclusion? Ain't no hams in MT, either. :-)

They are probably all on fifteen meters chasing Ducie Island (VR6DI).
Sounds like every European is on 15 attempting to work them. Havent
heard so many Europeans long path in a long while. HI.

The VR6DI was working split up as much as 30 khz on cw.

73 de Dave, N0IT

Date: Sat, 16 Mar 2002 23:55:59 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [122318] Re: Montana --Another Myth???
Message-ID: <F183czi9yzu23LiC1h100006374@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

VR6 is now known as VP6, thus Ducie Island is VP6DI...

73 John K7FD

>The VR6DI was working split up as much as 30 khz on cw.

>

>73 de Dave, NOIT

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Sun, 17 Mar 2002 07:07:53 -0500
From: "Mike, Diane and Vicky" <tignor@attglobal.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [122319] PICs and Micro controllers Questions
Message-ID: <LPBBJEBJGENIAJFILJKGIEEACGAA.tignor@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom:

1) Is a "PIC" just a brand name for one of many different brands/manufacturers of micro controller? I hear the name thrown around a lot, is it the "Kleenex" of micro controllers, that is to say, has become a generic name?

Ans: I believe that Microchip brand is the only one that use the word "PIC" in their advertising.

2) Does each different brand or manufacturer use their own programming language for their specific device?

ANS: This is generally true. I have been involved with micro controllers from many different manufactures. INTEL, Motorola and lots of Japanese parts. They are different. However there are some architectures that have been widely copied and/or licensed - one of these is the venerable 8051, which you will discover in many formats and variations.

One way to combat this is to use embedded C programming for development. This code can usually be ported to alternate architectures. This decision usually requires a processor with more horsepower than the minimum.

3) When starting out, is there a favorite manufacturer and/or programming language for beginners? I've seen that many companies offer their own starter kits.

ANS: Not only is there are wide selection of starter kits there is also a great quantity of freeware and demo software tools that are quite useful for education or hobby usage. You may find a C-compiler and debugger in demo form that is entirely functional but limits program size.

4) Does the Ham community of micro controller gurus have a favorite manufacturer and/or programming language? I would like to learn on the family of chips and/or programming language that is most prevalent in the Ham community.

ANS: I think that Microchip (PIC controllers) has done a great job marketing to the general public and thereby become accepted by industry also. They offer parts through catalog distributors along with inexpensive tools. Five years ago I would have suggested that the most popular micro was an Intel 8051 derivative or perhaps a Motorola 6805 - but I think Microchip has really cornered this small controller market.

Date: Sun, 17 Mar 2002 08:00:16 -0500
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: <k3tks@u1.abs.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122320] Re: Antenna Wire
Message-ID: <002901c1cdb3\$b13587c0\$6401a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George,
I put up two dipoles for 160m and a full wave loop for 80 meters using 18ga "Crown" copper weld steel wire. It was inexpensive for the roll when I purchased it years ago. I strung the 80 mtr loop at the tops of pine trees using ceramic insulators to slide along the wire for the loop. It slid well in the insulators and they stayed a good distance from any of the limbs on the pine trees and did not get caught in the breezes. That way it could change positions with the wind blowing and the antenna did not have a strain on it. I got the configuration from an old QST "Skywire Loop" and used it for years. I even worked WAS 80SSB with it.(3 watts) It was up between 80 and 65 feet at four counterpoise

points. The only problems I had with it were during two hurricanes, as the lightweight rope I used (nylon) broke in the 80 to 100mph winds. I just used a fishing rod and put them back up again and kept going. One problem with the wire is it's memory to reroll itself; but, once it is stretched out and strung it pretty much stays in one long wire. The 160m dipole worked very well, and I could pull it very tight because of the strength of the wire. And it was hard to nick..... Just my food for thought, my \$.02 as it is for newer hams and some new thoughts to play with.
JohnPaul/AB4PP

Subject: Re: Antenna Wire

>
> At the moment there is only One Loop left up and it is in need of repairs.
.....
>
> One of the most durable and lasting was made from #16 Gauge Solid Copper
> Tinned (Buss Type wire) wire Called "Lashing Wire" it was used by the
> Telephone Cable Department and Readily available to Repairman.
>
> Like any Solid Soft Drawn Copper Wire, care must be taken not to "NICK IT"
>
>

Date: Sun, 17 Mar 2002 13:10:38 +0000
From: kb1dxc <kb1dxc@discovernet.net>
To: qrp-l@Lehigh.EDU
Subject: [122321] Re: Head copy
Message-ID: <a05100301b8ba3c8ba701@[216.221.130.96]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

What an interesting subject, head copy. This is something that I have been working on right from the beginning. I have been working at it since early 1999, I got my first license in April of 1999. After reading this thread I felt I should also add a bit about this.

The first thing to realise is that many of us start out at different places. One of my big problems was spelling. I have never been a good speller. Another problem with me is memory, I have never

had much in the way of memory. I have found that CW has been helping me in both of these areas. I will probably not master head copy till I have mastered spelling and gotten my memory in shape. I have to suppose that memory, especially short term memory is a road block for many that try to head-copy. If a word has more than 4 or 5 letters, forgetting the first part of the word makes the last part of the word rather useless. The good news is that things are improving here and I suspect that it can get better for most that are persistent and do practice daily. I think that I have only missed listening to CW one or two days since I began my quest to become good at this new language. I have passed through that 10 wpm barrier and am gradually moving upwards. I will admit that I do not qso a real lot, that is because my spelling seems to be slower than the memory. When I started having qso's I would actually have Q-cards with my tx written out as best as I could write because that way I did not have to think how to spell, just send. I have gotten away from the Q-cards, after you send your name and qth a couple hundred times it becomes second nature. Hopefully, one of these days the spelling will become a bit more like second nature then I will be able to send a lot better.

As mentioned by others, the words do come after a while. The first word that became familiar to me was not actually a word but "73". It was months after I could copy "73" before I could copy a 7 or a 3 without the other. That bothered me. Anyways, I will keep working at it, keep listening, make some qso's, and it will all fall in place some day, hopefully before I lose the ability to push the paddles.

So, all of you that think it is impossible, keep working at it. For over 55 years I thought learning morse code was impossible, but now I know that was a big myth only in my head. If you say you can, then you can, so keep saying to yourself, I can do this and never, never, never give up.

Good luck to all,
Mike
KB1DXC

>At 05:48 PM 3/16/2002 -0500, Bruce wrote:

>>Frankly, I think "head copy" is mostly a myth! CW is sent letter by
>>letter, i.e. "A and M and D"/ It is like listening to a person spelling
>>each word in a sentence. If you send it faster it still comes out
>>letter by letter!

>>

>>Yes, you can copy some parts of a QSO in your head. Certain symbols act
>>as attention cues. Symbols like QTH, RST, and NAME. And you can copy
>>the following information in your head, but if you stop to write it in
>>your log, you will likely forget it before you get through!

Date: Sun, 17 Mar 2002 08:41:29 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122322] Re: whips
Message-ID: <009901c1cdb9\$7580be60\$9e94f4d1@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

RS has a 6 foot collapsible whip.

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, March 16, 2002 11:40 PM
Subject: Re: whips

> Depends...

>

> If you mean the 1/8" or whatever is used with a lot of 'base coils' with a
> small spring, then I think 60" is about top. The longest that might be
> easily obtainable would probably be either the RS Deluxe CB Mag
> Mount antenna replacement whip or the K40 replacement whip. I'd
> have to check, but I think these are about 54".

>

> If you mean a 'whip' generically, you can still get 102" whips with a stud
> base for 3/8-24 mounting. And I believe Hustler or maybe someone else
> makes a 3-8-24 'extension' to add about 4 feet onto that. These are
> somewhat larger than 1/4" diameter at the base end. I've seen these
> used to make incredible things, including one that was cut into a J-Pole
> where a bar is 'sweated' over the taper.

>

> Mike

>

> ----- Original Message -----

> From: <Schunn99@aol.com>

>

>

> > hi guys

> > what is longest whips that are made? I know there are 50" whips but are
> there

> > any longer than that?

> > Scott Hunnicutt

> > Kg4oqu
> >
>

Date: Sun, 17 Mar 2002 08:43:36 -0500
From: Parker Buckley <buckley@iapdatacom.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <grp-l@Lehigh.EDU>
Subject: [122323] Re: Wire Antenna materials your VIEWS?
Message-ID: <3C949D88.4AFC9C51@iapdatacom.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've had some experience with The Wireman Silky, #16, with my quad. Great stuff to work with when new, but after one year up, it's oxidized and I found that I can no longer solder to it without acid core solder, and after two years up, it's badly corroded, brittle, and shredding. Maybe the plastic coated version would be okay, but I don't think the bare version is a good investment. QTH is in Springfield OH, with probably typical midwest air pollution.

Parker
WD8JOL

DeniGm3skn wrote:

> What is the current informed opinion on wire antenna materials? Wire and
> insulators?
> Solid copper versus stranded?
> 16 SWG copper. Covered or bare? If bare wire is used especially stranded
> does the inevitable corrosion on the copper strands cause any appreciable
> degradation in performance?
> PVC or similar covering insulation invariably fails somewhere and then of
> course water enters and unseen corrosion takes place!
> I won't even consider using any form of copperclad steel wires, bad
> experience with these!
> I have constructed many wire antennas in the past with whatever I had
> available but right now I want to fit and forget the 'Ultimate low loss
> Doublet' using the best materials I can get, it also has to be rugged to
> survive weather and wind. It's to be around 132' top with open wire line
> feed, probably home brew line as I hate that 450 ohm copper clad steel
> windowline stuff!
> Any comments or suggestions considered with much interest.
>

> 73, Deni, Gm3skn
> Shetland Islands UK

Date: Sun, 17 Mar 2002 09:09:47 -0800
From: "W2WU" <w2wurjj@verizon.net>
To: <kb1dxc@discovernet.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122324] Re: Head copy
Message-ID: <000801c1cdd6\$c3597600\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Head Copy is not a myth. True, each letter is sent individually.
Conversely, you read or write one letter at a time. It's your Grey matter
that converts pen strokes and later the printed or scripted letter into
words. This is a matter of learning to copy behind. Never anticipate & form
words.

The word "English" is spelled differently in each language. Correcting copy
to perfect spelling can prove disastrous. An encrypted (military code)
message is a perfect example. Practice makes perfect NO, it should
read, " Perfect practice makes perfect." There's only one way to get there
... make errors until you copy just what is sent.

Us OT were taught to copy behind ... get the gist ... get the facts ... then
everything falls together. I promise you'll get proficient. crawl, walk,
run! 73, Ron, W2WU

----- Original Message -----
From: kb1dxc <kb1dxc@discovernet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: 17 March, 2002 05:10
Subject: Re: Head copy

> What an interesting subject, head copy. This is something
> that I have been working on right from the beginning. I have been
> working at it since early 1999, I got my first license in April of
> 1999. After reading this thread I felt I should also add a bit about
> this.
>
> The first thing to realise is that many of us start out at
> different places. One of my big problems was spelling. I have never

> been a good speller. Another problem with me is memory, I have never
> had much in the way of memory. I have found that CW has been helping
> me in both of these areas. I will probable not master head copy till
> I have mastered spelling and gotten my memory in shape. I have to
> suppose that memory, especially short term memory is a road block for
> many that try to head-copy. If a word has more that 4 or 5 letters,
> forgetting the first part of the word makes the last part of the word
> rather useless. The good news is that things are improving here and I
> suspect that it can get better for most that are persistant and do
> practice daily. I think that I have only missed listening to CW one
> or two days since I began my quest to become good at this new
> language. I have passed through that 10 wpm barrier and am gradually
> moving upwards. I will admit that I do not qso a real lot, that is
> because my spelling seems to be slower than the memory. When I
> started having qso's I would actually have Q-cards with my tx written
> out as best as I could write because that way I did not have to think
> how to spell, just send. I have gotten away from the Q-cards, after
> you send your name and qth a couple hundred times it becomes second
> nature. Hopefully, one of these days the spelling will become a bit
> more like second nature then I will be able to send a lot better.
>
> As mentioned by others, the words do come after a while. The
> first word that became familiar to me was not actually a word but
> "73". It was months after I could copy "73" before I could copy a 7
> or a 3 without the other. That bothered me. Anyways, I will keep
> working at it, keep listening, make some qso's, and it will all fall
> in place some day, hopefully before I loose the ability to push the
> paddles.
>
> So, all of you that think it is impossible, keep working at
> it. For over 55 years I though learning morse code was impossible,
> but now I know that was a big myth only in my head. If you say you
> can, then you can, so keep saying to yourself, I can do this and
> never, never, never give up.
>
> Good luck to all,
> Mike
> KB1DXC
>
> >At 05:48 PM 3/16/2002 -0500, Bruce wrote:
> >>Frankly, I think "head copy" is mostly a myth! CW is sent letter by
> >>letter, i.e. "A and M and D"/ It is like listening to a person spelling
> >>each word in a sentence. If you send it faster it still comes out
> >>letter by letter!
> >>
> >>Yes, you can copy some parts of a QSO in your head. Certain symbols act
> >>as attention cues. Symbols like QTH, RST, and NAME. And you can copy
> >>the following information in your head, but if you stop to write it in

> >>your log, you will likely forget it before you get through!
>

Date: Sun, 17 Mar 2002 09:21:48 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [122325] Ruh-Roh! Found (another) bug in DSWTUN95 :(
Message-ID: <F94sopUE0KaE1vH11V60001e04a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Insert red-face here !

OOPS!.

Just fired up another ThinkPad and decided to load DSWTUN95 onto it from my website. This ThinkPad just so happens to assign address 956 to its printer port.

I have a bug in the RIT routine when using address 956...I should have checked this out before now...sorry!

Hope there are no more serious bugs but please let me know, should you discover others.

I'll post again once I have fixed this one.

Thanks & 73.
Bill, N4QA

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Sun, 17 Mar 2002 09:21:55 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: W2AGN <w2agn@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122326] Re: Head copy
Message-ID: <3C94A683.64A17A8B@erols.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

I am sure you can do anything! I suspect that if I were copying at speeds of over 25 wpm I could too. But then we have lots of experience copying CW. This does not accurately represent this list! I would bet you couldn't do it when you were learning!

73

Date: Sun, 17 Mar 2002 09:33:34 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Bill & Linda Milligan <milligan@charter.net>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [122327] Re: Head copy
Message-ID: <3C94A93E.1C568846@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sonny, I gave up using a pencil about 30 years ago, just after I passed my extra test! It was not a hard habit to break. I only write down what is important to me, QTH, RST, NAME, and contest exchange, if I am in a contest!

I have followed all the prescribed methods in learning code. I am no stranger to W1AW, it got me my license way back when electrons were still made of small rocks!

Your advice is good. CW depends on practice, continuous practice!

Ask yourself, how did you first learn to speak? You heard your parents speaking, you imitated them. If they spoke with an accent, say a New York accent, you also spoke with a New You accent. Conversely, if you learned code from someone with a "skewed" fist, you will send CW the same way! Unlearning that habit is as hard as putting down the pencil. It is for this reason I say if you are listening to nearly PERFECT CW, some head copy is possible, but I still say if you try to write anything down, even the simple stuff, two minutes later you will probably have forgotten it!

73

Date: Sun, 17 Mar 2002 07:49:04 -0700
From: Roy <marion@montana.com>
To: enders@bolshoi.cc.misu.nodak.edu,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122328] Re: Montana --Another Myth???
Message-ID: <4.3.1.2.20020317074630.00a7d6f0@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:55 PM 3/16/02 -0600, Todd Enders wrote:

>supposedly started about 5 hours ago. Gee, I need MT for WAS,

Be happy to accommodate you or any one else. 100% qrp, K2 with 160 loop.
Can work most anybody. Have been for years. 72 Roy AB7CE, Montana.

Date: Sun, 17 Mar 2002 09:40:07 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: wi8w@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122329] Re: Head Copy
Message-ID: <3C94AAC7.A90ED43A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If your kids had NO ONE to listen to when learning to speak, could they still speak? They learned to speak by imitating you. Learning their letters was not a part of learning to speak! If speaking depended on spelling we wouldn't have any illiterate people! Illiterate people can still speak, they just can't recognize words when written down, and can't imitate them on paper

I agree, at 50 wpm you may be able to carry on a conversation. In most conversations we don't listen to a large percentage of the words, we key on what is important to us, and drop all the rest! CW is no different in a conversational sense. But used as it was intended to be used, we depend on copying EVERY letter!

73

Date: Sun, 17 Mar 2002 09:45:17 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: doug@ycsi.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122330] Re: Head copy
Message-ID: <3C94ABFD.4FCCABA3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Copying behind is a very common thing in CW, everybody does it. It is how you can copy high speeds and still put it on paper. Actually, if you think about it, you also "copy behind" when you speak. You don't know what the next word is going to be. A sentence only had meaning when taken as a whole! If you have not heard the entire sentence, you are only guessing.

73

Date: Sun, 17 Mar 2002 09:37:32 -0500
From: "Rex Harper" <w1rex@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122331] Re: ARKIECON 2002
Message-ID: <005501c1cdc1\$46b788e0\$8c3ca43f@stickfarmers>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dennis & Fellow Arkieconers

with mucho snippage

>From: DENNIS SMITH <ne4o@swbell.net>
>

> Is there anyone out there in radio land going to ARKIECON?
>

I was planning to go to Atlanticon, have fun and peddle some new wares; BUT, business takes me to Oklahoma City on the 5th and a friend then takes me to ARKIECON!!!!!! I guess I will have to have fun and peddle my wares in Ft. Smith now. See y'all there with some funny tins and protoTYPE boards.

W1REX Rex Harper "The Tinman" from Windham, Maine

Date: Sun, 17 Mar 2002 10:01:36 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [122332] The Miracle of milliwatts
Message-ID: <003b01c1cdc4\$a2cfdc60\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!!

First off I would like to thank all for the nice comments on my chase for 100 confirmed !!!

This morning I worked 4K6GF for # 123 with 600 mw!!!
Each time I work a new one or any milliwatt contact I end up checking the meters in disbelief or doubt that the power setting was right. But after checking 3 of 4 times and finding all was right I am amazed that so little power can get out to all points of the world !!! About 99% of my confirmed contacts are on 10 meters. This band is indeed magic now and will be for a few years yet . I encourage everyone to give milliwatting a try on 10 meters!!! My antenna system here is primitive compared to most of you out there. I have a Alpha Delta DXEE for 15-40 meters up 20ft and a Cushcraft AR-10 Ringo vertical up 25ft for 10 meters. But when 10 meters is good almost ANYTHING will work well !!!!

Power on your radio can be turned down in several ways :

1. turning down the carrier
2. turning down the drive
3. attenuation

The attenuation here is from a Ten Tec Model 290 step attenuator which TT is no longer making ... :(
They can be built with ease from info in almost any ARRL HANDBOOK

So almost any rig can be turned down to under 1 watt !!!!

Sooooooooo why not give it a try !!!! While the 10 meter band is in good shape !! Contests are a GREAT place to get milliwatt contacts !! With

everyone getting up the biggest antenna for the biggest score you can become easy pickins with well UNDER 1 watt !!!!!

So go at it and enjoy !!!!!

71s

George Osier , N2JNZ / QRPp

Date: Sun, 17 Mar 2002 10:00:37 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: richqrp@cox.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122333] Re: drive to texas
Message-ID: <3C94AF95.1272592E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rich,

The best way to identify repeaters along your route is to buy a copy of the ARRL Repeater Guide and sit down with your map! I made just such a trip back in 1994. I have to say that while there were repeaters I could raise, there wasn't much activity.

Now, I was running 25 watts from a dual band radio. I had conversations in the California desert, entering and leaving Phoenix, and once in Mesa Arizona. I think the next time I was able to raise anyone was in St. Louis!

Good luck!

73

Date: Sun, 17 Mar 2002 08:06:23 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <kb9zuv@arrl.net>, qrp-l <qrp-l@lehigh.edu>
Subject: [122334] Re: ground radials
Message-ID: <B8B9FEFE.1309C%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Gary - Yes it is worth it to put down radials as the sloper is probably functioning as a top fed vertical antenna. I would use the rotor wire as the galvanized will deteriorate with time. How long may vary with your location, but it will eventually corrode away.

The exact radial configuration is not important. Short of more specific details on your configuration the best recommendation is to put out as many radials as long as you can make them. More short radials are better than a few long radials. I would start putting down radials in the direction the wire slopes as the ground in that direction will probably have the most current induced in it at this location. If you can't put down radials in all directions that is OK. A lawn edger, which you can rent, is probably the easiest way to lay radials.

Suggested ground configurations for conventional verticals are given in the Handbook. You might want to look there for a start. Let us know how it all turns out. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 17 Mar 2002 10:11:20 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: dub@oklahoma.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122335] Re: Head copy
Message-ID: <3C94B218.452659EA@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gosh, didn't you just say what I have been saying? Yes, you can follow a QSO in your head. Even I can, and after only 50 years of practice! But you still copy it letter by letter, not word by word! And if you want to keep any of it you have to write it down. I guess I didn't say it the right way! What I meant was you can't copy words, except those sent PERFECTLY and then only short ones.

73

Date: Sun, 17 Mar 2002 09:32:31 -0600
From: don@azark.com

To: <qrp-1@Lehigh.EDU>
Subject: [122336] Re: drive to Texas
Message-ID: <3C9462AF.17385.675255@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Rich (and others),

I don't know about your part of the country, but I've found that the referenced website has apparently been copied out of the ARRL Repeater Directory, which is one of the worst and inaccurate references you can find on repeaters. For instance, all 6 repeaters listed for one town near me are wrong and have been for years now.

I've found that the listing at:
<http://www.artscipub.com/repeaters/>
is a little more up to date, but still not real good. Just be aware than many repeaters listed in various listings will not exist.

Don't overlook the possibilities of using HF on your trip. It's been my experience that you won't find a whole lot of activity on 2-meter repeaters in the area you'll be travelling (I used to live in Arizona). Even with QRP power and a good HF mobile antenna, you may find more satisfaction on 20 or 15 meters.

72,
Don AE5K

On 16 Mar 2002 at 18:48, Rich Wilkerson wrote:

> Thank you Walter,
> This site will work! I knew , if I needed help, This is the list
> that
> would know. you guys/gals are great.
> ...Rich
> ----- Original Message -----
> From: "Walter AG5P" <walter@cowboy.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Saturday, March 16, 2002 6:44 PM
> Subject: Re: drive to Texas
>
>
> > This is the URL that I use when taking a trip,
> > it allows you to pick what States you are going
> > to be in and list the repeaters.
> >

> > <http://www.geocities.com/Heartland/1206/main.htm>
> >
> > Have a fun trip!
> >
> > 72/73 Walter, AG5P

Date: Sun, 17 Mar 2002 10:35:31 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kb1dxc@discovernet.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122337] Re: Head copy
Message-ID: <3C94B7C3.10B842D6@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A significant number of us learned CW when we had to write it down correctly, 100% of it, if only for one minute! This is a significantly different challenge than the current multiple choice code test.

In the old days, you had to copy the entire five minutes to be sure you got one minute correct. In the current method you can key on cues like QTH, RST, and NAME to tell you what you have to write down. In fact I helped one friend past the 13 wpm code test by saying listen for the word "IS", and write down everything that follows it! He scored 100%

As far as memory and spelling is concerned, I would concentrate on spelling first, memory will come later. Think about it, If you only heard someone say "If I had...." and missed the rest, would you know what he was talking about? If you heard someone send "con,,,," in CW, do you know what follows?

83

Date: Sun, 17 Mar 2002 10:48:03 -0500
From: Bob Mason <skydive@usa.net>
To: qrp-1@Lehigh.EDU
Subject: [122338] QRP DX Secret
Message-ID: <NFBBLFFOILIDGGKFDNEBEEDFCDA.skydive@usa.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7bit

Most of you probably already know this, but it finally occurred to me what is happening. The secret to working DX on 40 meter CW QRP, is to try as hard as you can to finish your 40M QRP-WAS.

Then no matter how hard you try to make stateside contacts, you won't be able to because of the DX stations calling you.

Bob WB8CAC

CW Forever... QRP slightly longer

Date: Sun, 17 Mar 2002 10:52:29 -0500
From: W2AGN <w2agn@pobox.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122339] Re: Head copy
Message-ID: <02031710522912.08464@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Sunday 17 March 2002 09:21, Bruce Muscolino wrote:

> John,
>
> I am sure you can do anything! I suspect that if I were copying at
> speeds of over 25 wpm I could too. But then we have lots of experience
> copying CW. This does not accurately represent this list! I would bet
> you couldn't do it when you were learning!
>
> 73

--

Ah yes, a typical "Brucie takes no prisoners" response. I believe the question was by one who had reached the point where he was ready to move to the "next plateau," whether that means head copy, copying words, or copying behind.

My point was, the SOUND of common words used in a CW qso becomes familiar, and the words are recognized. Not something that is really "learned" conciously. Nor was I suggested I was an expert. I really wish I could attain speeds of 35+, but even after a long time (not as long as you), I still stumble along.

John L Sielke W2AGN
w2agn@pobox.com
<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Sun, 17 Mar 2002 09:51:58 -0600
From: don@azark.com
To: <grp-1@Lehigh.EDU>
Subject: [122340] Re: ARKIECON 2002
Message-ID: <3C94673E.21072.792045@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 16 Mar 2002 at 19:56, DENNIS SMITH wrote:

> Is there anyone out there in radio land going to ARKIECON? I haven't
> heard of anyone in ARK going yet. But don't fret none cause i will be
> there. DENNIS W5VAF JONESBORO, AR.
>

Yes, yes, yes! There will be a few of us Arkies going to ArkieCon!!!
I think sometimes the promoters of this fine event only mention the
ones outside our borders, coming from afar, and ferget about us
homefolks who attend ;-)

Last year was my first time at ArkieCon, and I wouldn't miss it for
anything this year. I was quite surprised with the welcome, the nice
badge, the great forums, comradery and hospitality, not to mention
the great attendance prizes. I've been promoting it in our north
Arkansas Ozarks area ... and will even bring my wife (W5CSJ) and my
dog "Hobo" this year!

Be looking for you'all there...

72,
Don AE5K
(near Yellville/St.Joe/Harrison, ARKANSAS)

Date: Sun, 17 Mar 2002 11:05:12 -0500
From: Derek <derek@ptd.net>
To: grp-1@Lehigh.edu

Subject: [122341] Help with Tixie
Message-ID: <3C94BEB8.F1E1DBAF@ptd.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have just built a " Tixie " and set it up for 40M. but I am not hearing anything on it except a continues click even when the " Tick" chip is removed which I thought might have been the problem! But I do hear the " Tick " chip working even with this click. So if anyone has any idea on this problem and how to correct it I look forward to your help.

Derek,KD3GZ

Date: Sun, 17 Mar 2002 11:03:49 -0500
From: "tom palmer" <n1tp@worldnet.att.net>
To: "QRP-L Group" <qrp-l@Lehigh.edu>
Subject: [122342] Head Copy
Message-ID: <000a01c1cdcd\$541f1f00\$92994d0c@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is an interesting and thought provoking subject.

My comments are based only on my own experience and not any writings on the subject.

Some CW operators (perhaps VERY small percentage of all CW ops) CAN copy an entire QSO in their head. These ops can remember information such as the name and QTH of the sending op, but most must need to write down most other info if the listener wants to remember it throughout the QSO.

Some received words are, in effect, heard as a single sound because the brain does not need to strain to hear all of the letters. The brain "connects the dots" (and the dashes).Hi! The best examples,

perhaps, are one's own call sign, "name", "QTH" and "and" - especially when sent as "e s." Also, it's very easy to hear entire words that are anticipated, for example the recurring format words always sent in the W1AW practice sessions.

I often anticipate (guess) a sender's name. When I hear the first "B" I often anticipate "ob" (for "Bob") or "ill" (for "Bill"). If I guess the name correctly, I hear the entire name as one sound. If I guess it incorrectly, I hear each letter of the name. This works for "Fred" vs. Frank: and "Tom" vs. "Tim," etc.

On the other hand, when I'm "lazily" copying entire words in my head, I CLEARLY hear it when an anticipated word is misspelled by the sender. This is because the anticipated sound of the entire word is not heard as expected.

All numbers must be heard as individual sounds. There is no "connecting the dots" when hearing numbers. When taking a morse code test, if you miss the number, it's GONE, except when the number is part of a word or phrase where one is able to "fill in" the missed number, such as in "G5RV."

It's much easier to copy in one's head when the code speed is at or slightly faster than one "best" copy speed. I can't head copy very slow CW worth a damn. 5 to 10 WPM is just TOO slow to connect the dots. Of course, when the code speed is too fast, I hear familiar words, but "get behind" unfamiliar (or unanticipated) word. When the code speed is too fast, unassociated numbers are missed first, such as the numbers sent in the W1AW code practice sessions.

Copying morse code is similar to learning a foreign

language. One gets better at it by a few "words per minute" without even realizing it. Around 1990, I was in a very small 20 WPM network in Tallahassee. One of the ops, who apparently had a device that recorded received code speeds, told me I was sending at 22 WPM. Until that moment I didn't know I was capable of sending faster than 20 WPM. I was using the code speed dial of an MFJ unit in conjunction with my Bencher iambic. I did not know until that moment that I had adjusted my "usual" MFJ code sending speed dial up to 22 WPM.

About 5 or 6 years ago I was walking the floors at the Orlando HamFest and I heard a code sending device send "This is 20 WPM." It sounded so darn slow that I went over to the salesman to inquire whether that sending device was out of adjustment. It was not. 20 WPM sounded SO DARN slow! Without knowing it, my "head copy" code speed has left 20 WPM in the dust because that 20 WPM code speed sounded more like 14 WPM.

When I first became a ham I went from 5 WPM to 20 WPM in 5 months because I wanted to get a "2 by 1" call sign in the 4th call area before they were all issued. I made it by 1 month. All "2 by 1" call signs were issued in the 4th call area the following month. I was issued WX4V and, of course, WZ4Z was the last 2 by 1 call sign issued in the 4th call area. 2 by 1's were being issued at the rate of about 33 per month. The vanity call sign program was not then envisioned.

I don't remember this, but when I was practicing morse code to get up to 20 WPM, my wife tells me than many times I exclaimed aloud: "I'm NEVER going to get 20 WPM! Well, lo and behold, I made it and in 5 months.

Although these comments are based only on my personal experiences, I expect many other hams have had similar experiences vis-a-vis almost impreceptable improvement in "Head Copy."

Tom, N1TP
Naples, Florida

Date: Sun, 17 Mar 2002 11:09:31 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122343] Antenna question... trap dipoles
Message-ID: <003701c1cdce\$20818240\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Time for a more serious QRP question...

I have a 40M dipole up that works gangbusters on 40M. I feed it with 300ohm twinlead from my K2 equiped with an ATU.

Now, I'm really pleased with what it does.

But...

I was just wondering... While the K2 can bring it in to at worst case an SWR of 1.3:1 on ANY band from 80 through 10, there's gotta be wierd feed line radiation and looses. So, if I were to put up a TRAP dipole...

I know, make all those little coil-and-cap arangements for 10-40...
PITA.

But will I see a REAL difference in performance? Inquiring minds want to know! Or at least have an idea of a reasonable expectation before I start scrounging for caps and winding toroids.

Mike

Date: Sun, 17 Mar 2002 12:24:38 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <nogaqrp@mailman.qth.net>, <fpqrp@fpqrp.com>, <qrp-1@Lehigh.EDU>
Subject: [122344] FDIM-2002 "Buildathon" Reminder
Message-ID: <00cc01c1cdd8\$9e6b59b0\$39d81b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All...

This email is a reminder that there will be an FDIM "buildathon".

Ken Evans, W4DU and I, W8DIZ are hosting a joint club (NOGA & FPqrp) event on May 16th from about 4:30 PM to 7 PM.

This event will give you a chance to build a slightly modified version of the NOGA SWR/POWER Meter. Here is the URL:

<http://www.qsl.net/nogaqrp/projects/NOGAwatt/nogawatt.pdf>

We are providing everything necessary to build the meter, including parts, solder irons, solder, wire, Altoid cans and lots of ELMERS. We will also have equipment so you can calibrate your finished meters. The idea is that when you walk out of the 'buildathon', you will have a working qrp project, ala UGLY CONSTRUCTION style.

Total cost is \$15. You will have the option to build the kit using either TWO Meters or ONE Meter with a SWITCH. We will only build the SINGLE meter version into ONE Altoid can at the buildathon. IF you want to use both meters, you will be able when you get back home from Dayton FDIM.

Any questions, please email me in private. Space is limited. Please let me know if you wish to be included in this event. Send all \$\$\$ to me : D. Gentzow, 197 Timber Trail, Loveland, OH 45140

PS: Pizza will be provided at cost.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

Date: Sun, 17 Mar 2002 12:52:47 -0500
From: Bob Mason <skydive@usa.net>
To: qrp-1@Lehigh.EDU
Subject: [122345] FS: OHR-100A 40M with DD-1 Display.
Message-ID: <NFBBLFFOILIDGGKFDNEBAEDHCDAA.skydive@usa.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

Hate to sell this radio. Put it on the air Jan 6,2002 and love it, but just ordered a K1-4 for multi-band capability and the OHR has to go.

The radio includes the 10 turn pot, and DD-1 digital display. It does not have the keyer option.

It's never been out in the field. No scratches, dents or other misc. disasters. The receiver outperforms my FT-840 (errr.... well, so do most chunks of scrap metal, but that's an entirely different story). Makes 5 watts with power to spare @ 12V.

\$175 Shipped anywhere in the USA.

72

Bob WB8CAC

Date: Sun, 17 Mar 2002 12:15:33 -0500
From: "N3BJ" <alanfryer@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122346] FS: Rainbow Tuner and Custom Case
Message-ID: <000901c1cdd7\$5b2fb340\$f8e0c943@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: Original Rainbow Tuner Kit and original Doug Hauff enclosure kit - which is really sweet. All there, with complete docs.

\$65 shipped

Alan, N3BJ

Bent Mountain, VA

Date: Sun, 17 Mar 2002 11:25:10 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w2agn@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122347] Re: Head copy
Message-ID: <3C94C366.24B6C410@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Perhaps I do have a "take no prisoners" attitude. I have been licensed for 47 years now, and have been copying CW for all of it! I actually can do up around 30 wpm, but I don't choose to. I am happiest at about 18 wpm. It is less work and takes less concentration. I don't worry that my skills will not be available when I want them either.

As far as learning, I have most of a Master's degree in Behavioral Sciences. Psychology is one of the Behavioral Sciences. Learning Psychology is a large part of the field!

I have thought long and hard about how I learned the code. I have thought long and hard about how I learned to speak, both english, and foreign languages. I stand by what I have concluded, CW is learned a letter at a time. It is transmitted a letter at a time. It always has been, and probably always will be. Anybody remember the recent discussions of the Koch method? What did it do except to teach you the characters?

We learned to speak by imitation. This is not to say that if you let your pet only hear english he would speak it, he doesn't have the voice box to accommodate it. But human babies do, they imitate what they hear.

Speaking has nothing to do with writing, or spelling! People can speak without being able to write their names or spell anything! CW cannot be copied without first learning to write down the characters, except at very slow speeds and over a long time.

But speech characteristics are learned, again by imitation. If your principle teachers spoke with an accent, so will you! CW depends heavily on correctly sending the characters, and on the rhythm they are sent with. If you hear the word "and" sent correctly, with a 3:1

weighting, it will sound one way, if you hear it sent with a 2:1 weighting, it will sound differently. To me this compromised the concept of head copying words! Yes they can be recognized with sufficient practice, but only short words.

CW can be copied in your head. But you will still be copying a character at a time, except for very short words. And if you have to stop and write something down, you will miss much more than the few characters sent while your attention is diverted!

So, maybe I do take a "no prisoners" attitude. I have not yet heard any sound scientific proof that head copy is possible! I have only heard anecdotal evidence that some people can copy some words occasionally! This is why I say it is mostly a myth. Instead of trying to do something which seems impossible, you can get the same place if you practice and think about what going in when you learn!

73

Date: Sun, 17 Mar 2002 13:35:10 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [122348] RM6A FUNNY:)
Message-ID: <002701c1cde2\$78656b20\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!!!

Sent this out to Joe , W3HNC and thought he would enjoy this one !!!

71s

George Osier , N2JNZ/QRPP

Hello Joe !!

I'll be sending out a card for RM6A but thought you might find this funny
.....

I was sending my call as " N2JNZ / QRPP " and after about 2 or 3 calls that's what he came back with !!!!

Thats a first for me !!!

Anyhow I was running 500 mw and having fun with the RUSSIAN DX CONTEST.

73s

George Osier , N2JNZ / QRPp

Date: Sun, 17 Mar 2002 13:36:44 EST
From: ARDUJENSKI@aol.com
To: nwq-1@scn.org, qrp-1@lehigh.edu
Subject: [122349] QRP+ Mic?
Message-ID: <188.4f14b79.29c63c3c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I need to replace my mic on the QRP+ and was wondering what mics have you folks have found to do well with this rig. Astatic? Icom? etc

The specs only call for a *speaker mic*.....

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Sun, 17 Mar 2002 08:47:23 -0800
From: "Rich Wilkerson" <richqrp@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122350] Texas
Message-ID: <000501c1cdd3\$6a10bd40\$945a0844@CX55215A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all that have given me information on not only repeaters, but also different routes of how to get there. What a great group!

Thanks again, and hope to talk to some of you.

73's Rich / WD6FDD

Date: Sun, 17 Mar 2002 13:44:50 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122351] Re: Antenna question... trap dipoles
Message-ID: <001f01c1cde3\$d29169e0\$cfa9ba42@dor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 17, 2002 11:09 AM
Subject: Antenna question... trap dipoles

> Time for a more serious QRP question...
>
> I have a 40M dipole up that works gangbusters on 40M. I feed it with
> 300ohm twinlead from my K2 equiped with an ATU.
>
> Now, I'm really pleased with what it does.
>
> But...
>
> I was just wondering... While the K2 can bring it in to at worst case
> an SWR of 1.3:1 on ANY band from 80 through 10, there's gotta be
> wierd feed line radiation and looses. So, if I were to put up a TRAP
> dipole...
>
> I know, make all those little coil-and-cap arrangements for 10-40...
> PITA.
>
> But will I see a REAL difference in performance? Inquiring minds want
> to know! Or at least have an idea of a reasonable expectation before
> I start scrounging for caps and winding toroids.
>
> Mike
>
>
Mike ,

You may and may not see a difference.. your going to trade some power to change the antenna pattern. your forty meter dipole fed with 300 ohm line (I'd Change to 450 or home-brew some real open wire if the run was more than 50 ft or so.) Will exhibit some gain on every frequency above the fundamental (in your case 40 M).

Now here the catch in order to get gain at one angle or direction you must steal it from another. So as you go higher in frequency you will see lobes of greater gain in some directions (with respect to the wire) But at the same time you will loose that effectiveness in another direction.

What the trap dipole will do for you is even out these lobes and make them nearly the same at all the frequencies you desire to work.. (By the way the loss in the mismatched line is minimal compared to the lose in coax that is miss- matched) In order to get this uniform antenna pattern you must be willing to trade off , a little power (lost in traps) and a narrowing of the bandwidth)

Just a suggestion instead of changing to the trap dipole.. leave the one you have up (again I would go to other than 300 ohm line if possible) and put up a vertical to fill in the radiation pattern on those bands where there may be a null in some specific direction..

You will get more mileage that way I believe.. Or better yet if you have the room put up a 500 Ft. Loop at 30 ft or above fed with open wire line and enjoy operating.. I love the 500 ft loop I have.. and with a vertical to fill in the nulls on the upper bands it makes a great combo.

Hope to CU on the Bands,
73/72 Dave KC1DI

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.338 / Virus Database: 189 - Release Date: 3/14/02

Date: Sun, 17 Mar 2002 13:47:05 EST
From: K5BDZ@aol.com
To: richqrp@cox.net, qrp-1@lehigh.edu
Subject: [122352] Re: Texas
Message-ID: <bb.1cdadf48.29c63ea9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Rich

Do keep a wary eye open... we've had a couple of reports of some young renegade Indians around the Sonora area in West Texas... also a couple of lost Spanish Conquistadors in the Texas Panhandle.

Otherwise WELCOME to TEXAS!

Bill K5BDZ (on patrol outside of Houston)

Date: Sun, 17 Mar 2002 10:21:19 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122353] Re: QRP DX Secret
Message-ID: <200203171621.AA00525@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Bob Mason <skydive@usa.net> writes:

>Most of you probably already know this, but it finally occurred to me what
>is happening. The secret to working DX on 40 meter CW QRP, is to try as
>hard as you can to finish your 40M QRP-WAS.
>

Yup. :-) Or, get into the foxhunts, get frustrated due to conditions enough to start tuning around, and bust a fair DX pile-up on the low end of 40m within a few calls. :-)

72/73,

Todd, AG0T

Date: Sun, 17 Mar 2002 14:32:47 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [122354] Faulty DSWTUN95 logic exposed
Message-ID: <F759R30xyhgvpX9PJkb0000e125@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

This particular TP 560E had its printer port configured as bi-directional.

Mix this with program logic that does not preserve the port's direction bit and, well...no wonder :(

If it can happen on MY PC...

So, guess I'll have to lick that calf over...

73.

Bill, N4QA

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Sun, 17 Mar 2002 14:37:23 -0500
From: W2AGN <w2agn@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122355] Re: Head copy
Message-ID: <02031714372318.08464@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Sunday 17 March 2002 11:25, Bruce Muscolino wrote:

>
> So, maybe I do take a "no prisoners" attitude. I have not yet heard any
> sound scientific proof that head copy is possible! I have only heard
> anecdotal evidence that some people can copy some words occasionally!
> This is why I say it is mostly a myth. Instead of trying to do
> something which seems impossible, you can get the same place if you
> practice and think about what going in when you learn!
>
> 73

--

I never said anything other than that some simple words were recognizable by sound. You seem to take any opportunity to go ballistic. Now you are quoting your "almost" degrees? Bruce, turn off the computer and take your pills!

John L Sielke W2AGN
w2agn@pobox.com

<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Sun, 17 Mar 2002 11:41:55 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [122356] Re: Texas
Message-ID: <MABBJOEABOILMKCJCLFCKEDIDDA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, Rich, I'm surprised anyone would need directions to get to Texas.
It's kinda hard to miss :-)
Enjoy your trip.
73, Bob N6WG

Date: Sun, 17 Mar 2002 11:41:53 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [122357] Re: Antenna question... trap dipoles
Message-ID: <MABBJOEABOILMKCJCLFCIEDIDDA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike

As long as you maintain decent balance in your 300 ohm TV twinlead feeder, you will not have feedline radiation. That's the whole point of balanced feedlines. RF goes in at one end and comes out the other. Any losses along the way are due to physical characteristics of the line, not radiation. If loss is a concern to you, shift to 450 ohm window line.

You won't see any improvement by going to a trapped dipole configuration. For example, with traps, each band has just a plain dipole to radiate from. With the 40m dipole run on higher bands, you actually have a gain antenna. On 30m, it's a about 1.4 halfwaves long, and has a small gain. On 20m it's two halfwaves in phase, with about 2 dB of gain. On the higher bands, there will be more gain, but the pattern will develop lobes pointing in other directions than at right angles to the run of the wire.

I advise you stay with the tuned 40m dipole and enjoy the results.

73, Bob N6WG

Date: Sun, 17 Mar 2002 13:38:18 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122358] Think I Heard the Sun Burp...
Message-ID: <200203171938.AA00959@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Have had the RX on most of the morning and afternoon, just tuning around to see what was shaking. Listening to the *huge* Ducie pile on 15m, for example. Well, at about 1:29PM CST, the noise level starts to build from very low to S9+ over the course of a couple minutes, before fading back to almost nothing. Of course, now hear very few stations on 15... Suspect I actually heard a solar flare! :-) Will have to see what space weather says. :-)

72/73,

Todd, AG0T

Date: Sun, 17 Mar 2002 14:53:04 -0500
From: "Richard Brummer, K2JQ" <k2jq@rcn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122359] Re: Head copy
Message-ID: <004301c1cded\$5e912bc0\$0300a8c0@RichardE.Brummer.rcn.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, March 17, 2002 1:05 PM
Subject: Re: Head copy

>As far as learning, I have most of a Master's degree in Behavioral

>Sciences.

"Close" counts in horse shoes and hand grenades.....

>Psychology is one of the Behavioral Sciences.

>Learning Psychology is a large part of the field!

You should make an interesting self-study !

Dick K2JQ

Date: Sun, 17 Mar 2002 14:08:32 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: enders@bolshoi.cc.misu.nodak.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122360] Re: Think I Heard the Sun Burp...
Message-ID: <3C94F7C0.208676A1@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Todd Enders wrote:

>
> Have had the RX on most of the morning and afternoon, just tuning
> around to see what was shaking. Listening to the *huge* Ducie pile on
> 15m, for example. Well, at about 1:29PM CST, the noise level starts to
> build from very low to S9+ over the course of a couple minutes, before
> fading back to almost nothing. Of course, now hear very few stations
> on 15... Suspect I actually heard a solar flare! :-) Will have to see what
> space weather says. :-)

You are right Todd. Space Weather reports M3 flare at 1930 UTC (1:30 pm CST) today.

73 de Dave, N0IT

Date: Sun, 17 Mar 2002 15:12:22 -0500
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
"amps" <amps@contesting.com>
Subject: [122361] etching formula
Message-ID: <00a201c1cdf0\$0c7f50c0\$29221c18@tampabay.rr.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

some time back someone gave me a formula for etching solution using hydrogen peroxide, muriatic acid and water. I have lost my info on that formula and I'm hoping whoever gave it to me will see this and refresh my memory. I haven't done any pc boards for quite some time and that's why I lost the info. who was the kind soul???? are you still out there somewhere???? Thanks!!
carl / kz5ca

Date: Sun, 17 Mar 2002 14:17:50 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122362] Re: Think I Heard the Sun Burp...
Message-ID: <200203172017.AA01062@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Cool! First time I've really *heard* the noise burst out of a flare. :-)
Bands seem to have bounced back pretty quick, though, so no worries. :-)
The Ducie pile on 15 seems to be about 40+ KHz wide at the moment. :-)
At any rate, I hear guys calling from about 21.020 to 21.063. Like a foxhunt gone quite mad... :-)

72/73,

Todd, AG0T

Date: Sun, 17 Mar 2002 13:23:39 -0700
From: "P.Ermisch" <ermisch@usa.net>
To: <qrp-l@Lehigh.EDU>
Subject: [122363] head copy/mobile CW
Message-ID: <20020317202339.17552.qmail@cmsweb26.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Sorry for all the OT bandwidth on this headcopy thing but I figure it's

interesting to most folks. As clarification to those who asked me off-list:

Successful mobile operation (at least for me) requires that I record my QSO's.

Whether I'm running CW or phone while driving, I have a minidisc recorder with a microphone close to my head and the radio speaker. Using the MD enables you to get high-quality audio as well as time-stamping on all recordings. When listening on a QSO, I'll state the frequency, RST, name, and QTH of the remote station into the microphone. Then the QSO goes in my logbook when I get home. Since the recording also has the entire CW exchange, I can also catch things I'd miss while doing 'head-copy'. I'm an honest ham - if I didn't catch the essentials (RST, name, etc.), I'll ask again during the QSO rather than cheat from the recording. However stuff like the person's age, etc. can be passed up.

So, yes, I generally remember the content of the QSO's and everything is logged. It certainly isn't the safest way to drive - I've found it to be about as distracting as a deep conversation on the cellphone (with a headset) or with a passenger. Not to mention, only having one hand on the wheel while sending. =

If it's DX or contest stuff, I definitely park since that's much more intense.

I have worked phone using split while driving, though. Now THAT's really dangerous! I won't work it if road conditions are bad, etc.

Paul KB0LUR

P. Ermisch <ermisch@usa.net> wrote:

> As I said in the other thread, copying while driving is great practice. =

> =

> I was amazed when I actually completed some mobile CW QSO's - yes, while

> driving. Only on my daily 50-minute commute between Denver and Colorado
> Springs with favorable traffic. I was amazed that I was able to not only
copy
> but also send! =

> =

> Paul KB0LUR
> =

Date: Sun, 17 Mar 2002 15:47:18 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122364] FT: Linux software
Message-ID: <000501c1cdf4\$ee2e2380\$cfa9ba42@dor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have the follow Linux software items I would be willing to trade for what
have you..

Complete in the original box with manual Corel Linux OS Second edition
Standard.

A copy of Linux Red Hat 7.2 O.S. on Two CD's

Linux Applications CD with Star Office 5.1 Word Perfect 8.0 and Redhat
power tools.

Make an offer.. I am specifically looking for any heathkit ham related
items.. or other interesting qrp stuff.

thanks for the B.W.
73/72 Dave kc1di

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.338 / Virus Database: 189 - Release Date: 3/14/02

Date: Sun, 17 Mar 2002 16:19:47 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [122365] Class E amplifier experiments
Message-ID: <3.0.6.32.20020317161947.007ad5d0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The other day I decided to try building a Class E, MOSFET amplifier, like Paul Harden was describing recently.

First, I tried using a 300 MHz CMOS op amp as the comparator, to square up the input signal and adjust the duty cycle. However, the op amp turned out not to be nearly fast enough to give a sufficiently fast rise and fall times on the output, especially at low duty cycles, when the input wasn't being well over driven. (this was at 14 MHz) A complementary current booster, using a 2N3094 and 2N3906 on the op amp output helped, but not enough.

So, I decided to try a digital approach. I built a pulse generator from a 74HCT74 D flip-flop. The input signal is amplified to clock the F-F. The D input is tied high. The Qnot is feed back to the Q reset pin through a resistor. (active low reset) The stray capacitance of the reset input pin in combination with the resistor forms an R/C time constant, so a pulse appears on the Q output. A 1K resistor produced about a 33% duty cycle at 14 MHz. By adding small capacitors from the reset pin to ground, or changing the value of the resistor, one can change the duty cycle.

Driving an IRF510 directly from the 74HCT74 Q output loaded down the output and still wasn't getting a very good rise and fall time. So, I added a 74ACT00 to buffer the F-F output. We need a double inversion, so one section of the 'ACT00 inverts the Q output, and the other three sections are paralleled together to drive the '510. This finally produced a good steep pulse to drive the gate.

Running the logic a 5 volts wasn't enough to turn on the mosfet really hard though. Going to 6 volts helped, which is the most these parts will take. Even after all that, the best I could do for efficiency is about 60%.

Paul, if your reading this, what are you using for a comparator and what kind of efficiency are you getting?

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 17 Mar 2002 15:32:06 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [122366] Ducie - QRP -
Message-ID: <Pine.LNX.4.33.0203171528150.9779-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm trying to work Ducie QRP 5 watts and I've been trying all afternoon and hopefully the luck will be with me...BUT their 15 mtr op works North America via the numbers...1,2,3, etc...but the order he chooses is 1,2,3,4,6,7,8,9,0,5....so I'm wondering why the 5 zone is left for the last?...I understand working via the numbers thins the pile a bit and that's fine...but why this order that puts 5 station out of order....that's all...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 17 Mar 2002 17:10:43 -0500
From: "Tony Parks" <robert.parks11@gte.net>
To: <qrp-l@Lehigh.EDU>
Subject: [122367] K1 for trade
Message-ID: <001701c1ce00\$967d4b00\$b8d3243f@3dse0>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am just finishing a K1-4 (40,30,20 and 15) with KAT1. At this point the K1 is working well and the KAT1 is built and needs to be installed. My kit building experience in the last 18 months includes a NC40A, two K1 and a K2.

Building Elecraft kits has been a lot of fun and I would be happy to trade the K1-4/KAT1 I am just finishing for the un-built kits, K1-4 and KAT1.

Please send me an e-mail directly if you are interested.

73,
Tony
KB9YIG

Date: Sun, 17 Mar 2002 14:15:56 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [122368] Tiny Tornado Tonight
Message-ID: <F88mRBaYFkuutSgc0rB00015bcc@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Please listen for my Tiny Tornado on 7.040MHz at 0300Z +- (7pm PST) this evening...I was waiting for the finish of the RTTY 'test before giving the lil' rig a workout...

Thanks and hope to put you in the 'Tornado Log'...

73 John K7FD, Oregon

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Sun, 17 Mar 2002 17:39:48 EST
From: K1epj@aol.com
To: qrp-l@lehigh.edu
Subject: [122369] FS: K2
Message-ID: <103.123df23e.29c67534@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

K2 Serial #1705 with following options: KSB2 ssb adapter, KBT2 Internal battery option, KNB2 noise blanker, KAT2 automatic antenna tuner. All

documentation and invoice. Like new condition, Professionally aligned, works great. \$750 plus shipping from 03858
Dave K1EPJ

Date: Sun, 17 Mar 2002 17:43:45 EST
From: MITCHELLRI@aol.com
To: <qrp-l@lehigh.edu>
Subject: [122370] Care & Feeding of 300 Ohm Twin Lead
Message-ID: <169.a71cdb4.29c67622@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I have a dipole in the attic fed with 300 ohm Radio Shack twin lead, (yes, Im really cheap), going to an MFJ Tuner. How concerned should I be regarding non-straight runs of the line? I know that it is not critical with coax but am not sure about this wire.

Also, anyone done the mod for the 817 opening up x-mit & receive? Any caveats?
Thanks and 72

Leeds Mitchell
WA1GJF

Date: Sun, 17 Mar 2002 18:08:00 EST
From: Schunn99@aol.com
To: qrp-l@lehigh.edu
Subject: [122371] qrp antenna tuners
Message-ID: <161.a7f0b72.29c67bd0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

hi guys,
do you know of any qrp antenna tuners can could be used with a kit like the tiny tornado?
Scott Hunnicutt
Kg4oqu

Date: Sun, 17 Mar 2002 18:14:08 EST
From: W0rw@aol.com
To: hfpack@yahoo.com, qrp-l@lehigh.edu, ppraanet@mailman.qth.net
Subject: [122372] WTB "D" size Nicads
Message-ID: <39.2406d26a.29c67d40@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Anybody have a supply of "D" size Nicads ?
4400/5000 mA ???
i need about 20 to rework a battery pack...
These are about 1.3 " in dia. and 2.3 " high.
Paul W0rw

Date: Sun, 17 Mar 2002 18:21:02 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [122373] FW: We will never Forget!!
Message-ID: <00e801c1ce0a\$67fe5300\$9e3c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hello Everyone,

I received an e-mail about Sept. 11, 2001

I am passing this link onto everyone. This is
definitely worth the time of downloading and
viewing. At 56k it will take about 30 minutes
to download, it runs for 15 minutes.

Go to <http://www.politicsandprotest.com/>
Very well done video about 9/11, BUT
It is a 7 Meg download so will take a while
but WELL WORTH IT!!!

If you lack the patience to sit thru the long download,
please don't access the web site because you will be
frustrated to no end!

Ron Polityka
WB3AAL
www.n3epa.org

Date: Sun, 17 Mar 2002 18:29:55 -0500
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [122374] Sun burps & them ol' hippie nets
Message-ID: <20020317.183038.-494591.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Yeah, I heard that one too. I was sittin' here listening to a big pile up
-- don't remember where or what band, mainly 'cause I wasn't interested
-- when this squirrely noise kinda whooshed through the frequency.
Thought to myself "Paul Harden said somethin' about that once . . . Hmmm
. . . "

Back when I was younger and knew more, I used to wonder what that noise
was. Thought it might be somebody firing up some kind of cosmic ray
health device or something. Or a local CBer going to critical mass. Then,
when Paul 'splained it oncet here, I thought "Hmm . . . "

So finally I got to hear one of them solar burp thingies.

Now . . . back when I was not so young but knew more than I did when I
was younger, I used to hang out with a bunch of real loonies on 75m. We'd
stay up late gettin' in arguments with the California Atheist Net &
stuff. All I hear now are people gettin' into talking about how tall
their towers are and all that.

Sure do miss them stupid ham moments. Reason I got into this is a guy who
lives couple half miles away from here was in front of me at the post
office Friday. First met him way back by chasin' down his key clicks on
40m, when he was talkin' to another guy about three blocks away from him
(and me, at the time). After we discharged out postal duties, he dropped
by and looked at my submarine radio shack.

We both bemoaned the lack of conversations late at night on 75m. You
know, regular stuff like what Frank was doin' with those old lederhosen
that he bought after he watched Sparticus three times. Why anyone would
want to know that. Stuff like that. Ohio Valley Teratology Net. Midwest

Charles Bukowski Memorial Poetry Net, Late Nite Radio with a bunch of argumentative old reformed hippies Net. Stuff like that.

And me with a signal a few db's above fingernails on chalkboards.

73

Nils

. . . I wonder if all the info on traffic handling that's in my 1969 edition of The Radio Amateur's Operating Manual is still relevant. It cost \$1.50 when Sarge bought it for me back then. Betcha it's a bundle more now . . . even on CD, more 'n likely . . . actually thinking about getting back into message handlin' & nettopianism . . .

Nils R. Bull Young -- El Gringo Errante --
La Estancia de los Guajolotes Sonrientes -- W8IJN --
<http://w8ijn.tripod.com>
"The island is closer than your memories are." -- Ian G. Bull Young, 11 Feb 2002

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Date: Sun, 17 Mar 2002 18:48:42 -0500
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
"amps" <amps@contesting.com>
Subject: [122375] billydean ward
Message-ID: <001d01c1ce0e\$456fbfa0\$29221c18@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My e-mail to Billy dean ward bounced. Does anyone know him or know his current e-mail???

thanks to all!!
carl / kz5ca

End of QRP-L Digest 2497
